

SECRET

R 101457Z JUL 69

FM NPIC WASHDC

TO DIAXX-2

BT

SECRET. CITE NPIC 6641

DIAXX-2

REFERENCE: DIA MESSAGE R051909Z JUNE 69

1. THE FOLLOWING "T" DRONE MISSIONS WERE EVALUATED IN RESPONSE TO THE REFERENCED MESSAGE:

MISSION	DATE FLOWN	CAMERA (HR338)
Q101	17 MAY 69	92
Q112	22 MAY 69	21

2. MISSION Q101:

A. LESS THAN 350 FRAMES AT THE BEGINNING OF THE MISSION CONTAIN CLOUD FREE IMAGERY. THE REMAINDER OF THE MISSION, APPROXIMATELY 1300 FRAMES, IS 100 PERCENT CLOUD COVERED. THE QUALITY OF THE IMAGERY AT THE BEGINNING OF THE MISSION IS FAIR.

B. BANDING, ASSOCIATED WITH UNEVEN SHUTTER MOVEMENT, IS PRESENT ON EVERY FRAME OF THE MISSION. IT IS MORE SEVERE WHEN THE SHUTTER MOVED DOWNWARD IN THE CAMERA (FROM THE TAKE-UP TOWARD THE SUPPLY END OF THE FILM).

C. NUMEROUS EMULSION LIFTS ARE RANDOMLY LOCATED THROUGHOUT THE MISSION. THEY DO NOT APPEAR TO BE CAMERA INDUCED.

D. THE FRAME COUNTER IN THE DATA CHAMBER MALFUNCTIONED. IT REMAINED AT ZERO THROUGHOUT THE MISSION. ALL OTHER DATA RECORDING APPEARS NORMAL.

3. MISSION Q112:

A. APPROXIMATELY 95 PERCENT OF THE 1765 FRAMES IN THE MISSION ARE CLOUD FREE. THE IMAGE QUALITY IS GOOD THROUGHOUT THE MISSION. THE PHOTO INTERPRETERS CAN IDENTIFY TYPES OF AIRCRAFT AND DIFFERENTIATE BETWEEN TYPES OF GROUND VEHICLES.

B. PHYSICAL DAMAGE (SCRATCHES AND TEARS) ARE NOTED ON THE FIRST 44 FRAMES OF THE MISSION. SOME OF THE DAMAGE IS LOCATED IN FRAMES THAT WERE EXPOSED DURING CAMERA CHECKOUT BEFORE THE VEHICLE WAS RELEASED.

C. SHUTTER BANDING IS PRESENT THROUGHOUT. IT IS SIMILAR TO THAT DESCRIBED IN PARAGRAPH 2, B.

D. SOFT IMAGERY WAS NOTED ON A FEW FRAMES INTERMITTENTLY IN THE MISSION (EXAMPLE-FRAME 1523). THE DEGRADATION APPEARS TO BE CAUSED BY A LOSS OF VACUUM.

E. THE DATA CHAMBER OPERATED SATISFACTORILY THROUGHOUT THE MISSION.

4. COMMENTS: MISSION Q112 IS CONSIDERED TO BE THE BEST OVERALL MISSION EVALUATED FROM THIS SYSTEM. THE VEILING CONDITION, WHICH CAUSED SEVERE DEGRADATION ON THE EARLIER MISSIONS (MISSIONS FROM OCTOBER 1968), WAS NOT APPARENT ON EITHER OF THESE MISSIONS.

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END OF MESSAGE

10 JUL 69 15 17z

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